

**ANASTOMOSIS DEVICE AND METHOD**ABSTRACT OF THE DISCLOSURE

5           An anastomosis device for use in coupling an end of a graft vessel to a side of a target vessel. The target vessel has an opening formed in a side wall thereof for insertion of the device. The device comprises a tubular member, at least a portion thereof being radially compressible to a compressed state for insertion of the tubular member into the opening in the target vessel and expandable from the compressed state to an expanded state for engagement of an inner graft vessel surface with an inner surface of the target vessel after insertion of the tubular member into the opening in the side wall of the target vessel. The compressible portion of the tubular member has an inner surface and an outer surface defining a wall thickness therebetween. The wall thickness of the compressible portion in its compressed state is less than the wall thickness of the compressible portion in its expanded state.

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